

## Home Work

Find the Dual for the following Primal problem:

$$\text{Max } Z = 5 X_1 + 6 X_2$$

Subject to:

$$X_1 + 2 X_2 = 5$$

$$-X_1 + 5 X_2 \geq 3$$

$$4 X_1 + 7 X_2 \leq 8$$

$X_1$  is unrestricted That mean  $X_1 = X_1^+ - X_1^-$  where  $X_1^+, X_1^- \geq 0$

$$X_2 \geq 0$$

YOUTH ASSOCIATION OF THIRD YEAR

*Best Wishes*